- at least one casing (B"(i), B") which is individually linked to one track (T(i)), which houses processing means including means for digitizing the signals, each casing being associated with a track (T(i)),
- and two cable sections (C"(i)) each comprising:

  - at a first end, a connector suitable for being coupled up to a complementary connector,

  - at a second end, an adapter configured to be fixed to a casing (B", B"(i)) and to effect an electrical link with the processing means housed in the casing.

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2. (Amended) The module as claimed in claim 1, further comprising at least two casings (B"(i), B"), linked in series by cable segments (C"(i+1)) each of which comprises at its two ends an adapter configured to be fixed to a casing and to effect an electrical link with the processing means housed in the casing.

3. (Amended) The module as claimed in claim 1, wherein each casing (B") comprises a rigid member fixed on one face of the respective adapters (140a, 140b) secured to the respective cable sections or segments, so as to take up a sizeable part of the tensile loads exerted between these two cable sections or segments.

4. (Amended) The module as claimed in claim 3, wherein each casing (B") comprises means for attaching the adapters of the cables to the rigid member.

5. (Amended) The module as claimed in claim 4, wherein the means for attachment are rigid lugs, a part of which is embedded in the adapter, another part of each lug projecting from the adapter toward the rigid member and engaged in a respective orifice of the rigid member along a direction substantially perpendicular to the direction of the part of the cable sections or segments which is adjacent to the casing.

6. (Amended) The module as claimed in claim 1, wherein processing means integrated into the cable adapters comprise spark arresters.

7. (Amended) The module as claimed in claim 3, wherein the rigid member carries means for processing electrical signals.

8. (Amended) The module as claimed in claim 5, wherein each casing comprises leaktightness means for providing leaktightness between a cover and the rigid member.

9. (Amended) The module as claimed in claim 8, wherein the leaktightness means comprise a seal placed in a space circumscribed by the lugs.

10. (Amended) The module as claimed in claim 5, wherein at least one casing comprises a platen situated on a second face of the cables which is opposite the first face and is substantially parallel to the rigid member.

11. (Amended) The module as claimed in claim 10, wherein parts of the lugs which project toward the platen are engaged in orifices of said platen.

12. (Amended) The module as claimed in claim 1, wherein the cable section end connectors are mechanically and electrically hermaphrodite and are identical.

13. (Amended) The module as claimed in claim 1, wherein the casings comprise a port for the connection of at least one geophysical sensor outside the casing.

Please add the following new claims:

--14. (New) The module as claimed in claim 1, wherein the main body of each casing comprises two adapters and a cover, the adapters and the cover being fixed together in a nonremovable manner so that the casing does not comprise any connector for coupling to other casings.

15. (New) The module as claimed in claim 1, wherein the main body of each casing comprises two adapters and a cover, wherein one of the adapters situated at the second end of each cable section is configured to be fixed in a removable manner to a casing.

16. (New) A module comprising:

a plurality of tracks to generate geophysical signals; and

a plurality of casings linked in series by cable sections, each of the casings is individually linked to a respective one of tracks, each of the casings housing a processor to process the geophysical signals generated by a respective one of the tracks,

wherein at least one of the cable sections having a first end provided with a connector to detachably connect with a complementary connector of another module, and a second end provided with an adapter configured to be attached to one of the casings, wherein a conductive element extending from the adapter is coupled to the processor housed in the respective casing.--

On page 9, before line 33, the following heading has been inserted:

BRIEF DESCRIPTION OF THE DRAWINGS

On page 10, before line 18, the following heading has been inserted:

DETAILED DESCRIPTION

IN THE CLAIMS

The claims have been amended as follows:

1. (Amended) A module [(40)] for acquiring geophysical signals, comprising:

- at least one casing (B"(i), B") which is individually linked to one track (T(i)), which houses processing means including means for digitizing the signals, each casing being associated with a track (T(i)),
- and two cable sections (C"(i)) each comprising:

- at a first end, a connector [(30)] suitable for being coupled up to a complementary connector,

- at a second end, an adapter [(140a, 140b) designed] configured to be fixed to a casing (B", B"(i)) and to effect an electrical link with the processing means housed in the casing[,

the main body of each casing being materialized by two adapters (140a, 140b) and a cover (170), the adapters and the cover being fixed together in a nonremovable manner so that the casing does not comprise any connector for coupling to other casings].

2. (Amended) The module [(40)] as claimed in claim 1, [characterized in that it comprises] further comprising at least two casings (B"(i), B"), linked in series by cable segments (C"(i+1)) each of which comprises at its two ends an adapter [(140a, 140b)

designed] configured to be fixed to a casing and to effect an electrical link with the processing means housed in the casing.

3. (Amended) The module [(40)] as claimed in claim 1 [or 2], [characterized in that] wherein each casing (B") comprises a rigid member [(150)] fixed on one face of the respective adapters (140a, 140b) secured to the respective cable sections or segments, so as to take up a sizeable part of the tensile loads exerted between these two cable sections or segments.

4. (Amended) The module as claimed in claim 3, [characterized in that] wherein each casing (B") comprises means [(143, 143a, 143b)] for attaching the adapters of the cables to the rigid member [(150)].

5. (Amended) The module as claimed in claim 4, [characterized in that] wherein the means for attachment are rigid lugs [(143, 143a, 143b)], a part of which is embedded in the adapter, another part of each lug projecting from the adapter toward the rigid member [(150)] and engaged in a respective orifice [(153)] of the rigid member along a direction substantially perpendicular to the direction of the part of the cable sections or segments which is adjacent to the casing (B").

6. (Amended) The module as claimed in [one of the preceding claims, characterized in that] claim 1, wherein processing means integrated into the cable adapters comprise spark arresters.

7. (Amended) The module as claimed in [one of claims 3 to 6, characterized in that] claim 3, wherein the rigid member carries means for processing electrical signals.

8. (Amended) The module as claimed in [one of the preceding claims, characterize in that] claim 5, wherein each casing comprises leaktightness means [(1100, 1101a, 1101b)] for providing leaktightness between a cover and the rigid member.

9. (Amended) The module as claimed in [one of claims 5 or t taken in combination with claim 8, characterized in that] claim 8, wherein the leaktightness means comprise a seal [(1100)] placed in a space circumscribed by the lugs [(143)].

10. (Amended) The module as claimed in [one of claims 3 to 9, characterized in that] claim 5, wherein at least one casing comprises a platen [(180)] situated on a second face of the cables which is opposite the first face and is substantially parallel to the rigid member [(150)].

11. (Amended) The module as claimed in [claims 5 and 10 taken in combination, characterized in that] claim 10, wherein parts of the lugs [(143)] which project toward the platen [(180)] are engaged in orifices of said platen.

12. (Amended) The module as claimed in [one of the preceding claims, characterized in that] claim 1, wherein the cable section end connectors [(30)] are mechanically and electrically hermaphrodite and are identical.

13. (Amended) The module as claimed in [one of claims 1 to 12, characterized in that] claim 1, wherein the casings comprise a port [(P)] for the connection of at least one geophysical sensor outside the casing.

New claims, Claims 14, 15 and 16, have been added.